MIAMI-DADE COUNTY
DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera/

Cornell Iron Works, Inc.
24 Elmwood Avenue
Mountaintop, PA 18707

SCOPE: This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Insulated Steel Roll-up Door up to 14'-5" Wide

APPROVAL DOCUMENT: Drawing No. **ES16-28**, titled "Dade County Approved 14'-5" wide 120 psf Insulated Rolling Steel Door", Sheets 1 and 2 of 2, dated 11/21/2006, with revision B dated 10/26/2010, prepared by Cornell Iron Works, Inc, signed and sealed by Joseph H. Dixon, Jr., P.E., bearing the Miami-Dade County Product Control renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: A permanent label with the manufacturer's name or logo, manufacturing address, model number, the positive and negative design pressure rating, indicate impact rated if applicable, installation instruction drawing reference number, approval number (NOA), the applicable test standards, and the statement reading 'Miami-Dade County Product Control Approved' is to be located on the door's side track, bottom angle, or inner surface of a panel.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **renews NOA # 10-1112.06** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**

MIAMI-DADE COUNTY APPROVED

08/16/2012

NOA No. 12-0209.02
Expiration Date: May 10, 2013
Approval Date: May 10, 2012

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS *"Submitted under NOA # 10-1112.06"*

1. Drawing No. **ES16-28**, titled "Dade County Approved 14'-5" wide 120 psf Insulated Rolling Steel Door", Sheets 1 and 2 of 2, dated 11/21/2006, with revision B dated 10/26/2010, prepared by Cornell Iron Works, Inc, signed and sealed by Joseph Dixon, Jr., P.E.

B. TESTS *"Submitted under NOA # 10-1112.06"*

1. Test reports on 1000 hours of Salt Spray per ASTM B117 of G-90 and G-40 painted samples, prepared by Intertek, Test Report No. **G100075502**, dated 05/26/2010, signed and sealed by Rick Curkeet, P.E.
   "Submitted under NOA # 08-1219.05"
2. Test report on Ignition Temperature per ASTM D1929 and Flame Spread/ Smoke generation per ASTM E84, Report No. **ETC-07-1071-18738.0**, prepared by ETC Laboratories, dated 02/15/2007, signed and sealed by Joseph L. Doldan, P.E.
   "Submitted under NOA # 06-1205.07"
3. Test reports on 1) Uniform Static Air Pressure Test (Structural) per FBC, TAS 202-94
   2) Large Missile Impact Test per FBC, TAS 201-94
   3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
   along with marked-up drawings of Model ESD20 Thermiser Galvanized Steel Roll-up Door, Report No. **CTLA-1600W,** prepared by Certified Testing Laboratories, dated 11/28/2006, signed and sealed by Ramesh Patel, P.E.
4. Test report on Tensile Test per ASTM E8 of Galvanized Steel, Report No. **CTLA-1600W** and **1600W-1**, prepared by Certified Testing Laboratories, dated 12/04/2006, signed and sealed by Ramesh Patel, P.E.

C. CALCULATIONS *"Submitted under NOA # 10-1112.06"*

1. Between-jamb guide anchoring calculations and structural analysis, dated 10/22/2010, prepared, signed and sealed by Joseph H. Dixon, Jr., P.E.
   "Submitted under NOA # 08-0219.05"
2. Anchoring calculations and structural analysis, dated 12/15/2008, prepared, signed and sealed by Joseph H. Dixon, Jr., P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA)

E. MATERIAL CERTIFICATIONS

1. None.

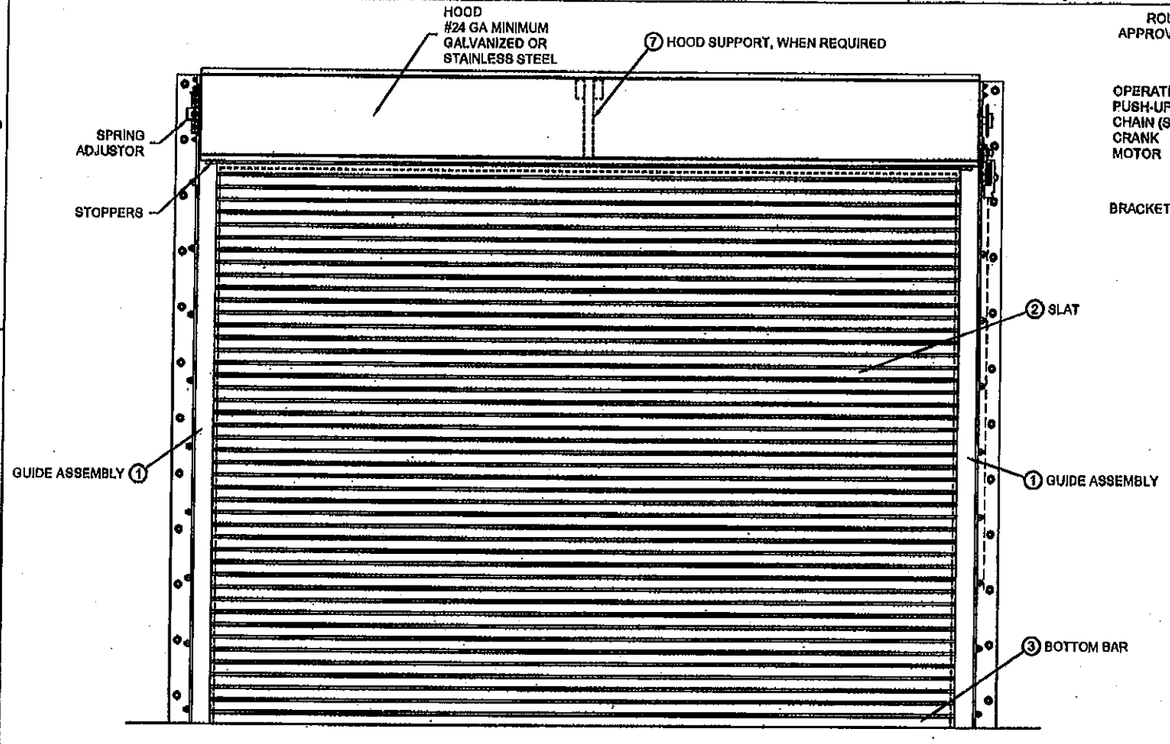
F. STATEMENTS

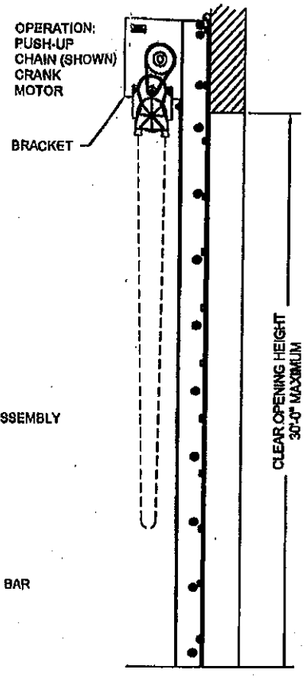
1. Statement letter of code conformance to 2010 FBC, dated 01/27/2012, signed and sealed by Joseph H. Dixon, Jr., P.E.
2. Test proposal issued by Architectural Testing, Inc., dated 04/16/2012 and authorized by Trevor Errington.
   "Submitted under NOA # 10-1112.06"
3. Statement letter of no financial interest, dated 11/05/2010, signed and sealed by Joseph H. Dixon, Jr., P.E.

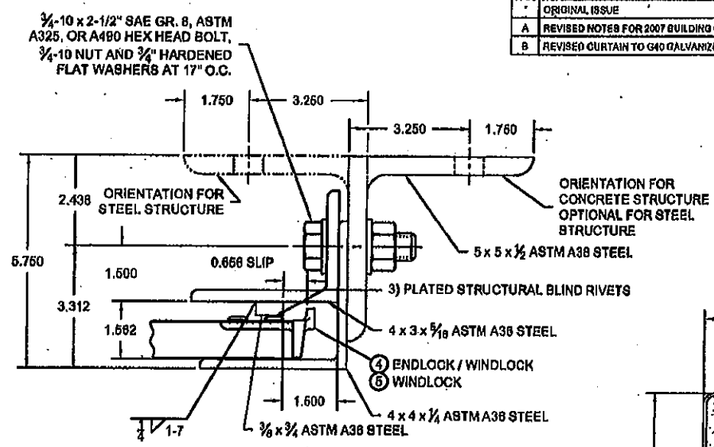
08/16/2012

Carlos M. Utrera, P.E.
Product Control Examiner
NOA No. 12-0209.02
Expiration Date: May 10, 2013
Approval Date: May 10, 2012

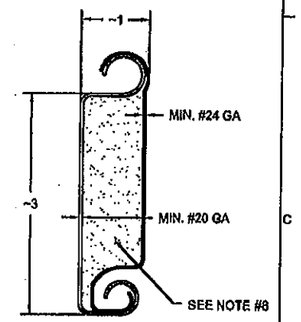
LTR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	11/21/2000	R.M.	*
A	REVISED NOTES FOR 2007 BUILDING CODE	12/04/2008	R.M.	*
B	REVISED CURTAIN TO G40 GALVANIZED	10/26/2010	R.M.	*







1 GUIDE ASSEMBLY DETAIL
1/2 SCALE



2 SLAT DETAIL
TYPICAL SECTION
ASTM A653 HSLAS TYPE B GRADE 40 G40 OR
ASTM A653 HSLAS TYPE A GRADE 40 G40 OR
ASTM A653 STRUCTURAL STEEL GRADE 40 G40
OR TYPE 304 STAINLESS STEEL (MIN. YIELD 40,000 psi)
OR TYPE 430 STAINLESS STEEL (MIN. YIELD 40,000 psi)
OR TYPE 201 STAINLESS STEEL (MIN. YIELD 40,000 psi)
FULL SCALE

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 10-1112.06
Expiration Date 05/10/2012
By
Miami Dade Product Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 12-0209.02
Expiration Date 05/10/2013
By
Miami Dade Product Control

JOSEPH H. DIXON, JR.
LICENSE
No. 7766
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
11/5/10

NOTES:
1. THIS ROLL-UP DOOR SYSTEM IS DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, LATEST EDITION, AS A LARGE MISSILE IMPACT RESISTANT SYSTEM.

2. POSITIVE AND NEGATIVE DESIGN PRESSURE CALCULATIONS SHALL BE PERFORMED FOR SPECIFIC JOBS IN ACCORDANCE WITH ASCE 7 *MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES*. WIND LOADS DETERMINED FOR OPENINGS SHALL BE LESS THAN OR EQUAL TO DOOR DESIGN PRESSURES NOTED BELOW.

3. THE DETAILS AND SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED FOR UNIFORM STATIC AIR PRESSURE IN CONFORMANCE WITH DADE COUNTY PROTOCOLS TAS 201, 202 AND 203.
POSITIVE DESIGN LOAD = 120 PSF
NEGATIVE DESIGN LOAD = 120 PSF

4. TESTING PERFORMED BY CERTIFIED TESTING LABORATORIES (ORLANDO, FL.) TEST REPORT No. OTLA-1600W.

5. SUPERIMPOSED LOADS ON THE JAMBS FROM THIS DOOR ARE DESIGNATED AS F1, F2 AND F3 HEREIN. CONTRACTORS SHALL HAVE FLORIDA REGISTERED PROFESSIONAL ENGINEER VERIFY ADEQUACY OF BUILDING STRUCTURE TO RESIST SUPERIMPOSED LOADS F1, F2, AND F3.

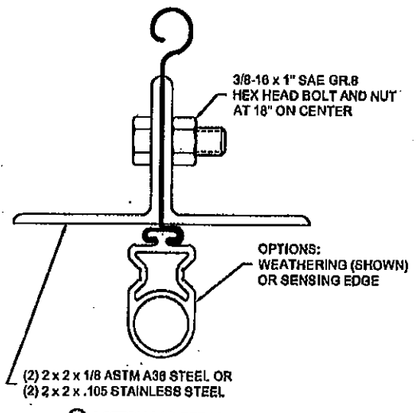
6. ALL WELDING SHALL BE PERFORMED BY QUALIFIED WELDERS IN ACCORDANCE WITH AWS SPECIFICATIONS, LATEST EDITION. ALL WELDING ELECTRODES SHALL CONFORM TO AWS A5.1, GRADE E-70. MINIMUM WELDING PROCESS SHALL BE ARC WELDING AWS E7014 OR MIG WELDING AWS ER70S-6.

7. ANCHOR NOTES:
A. EMBEDMENT DEPTH DOES NOT INCLUDE STUCCO FINISH.
B. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.

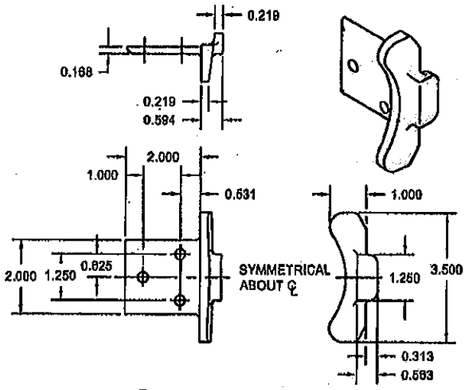
8. FOAMED IN PLACE INSULATION, TESTED IN ACCORDANCE WITH ASTM E-84 AND D-1929 OR
MINERAL WOOL INSULATION.

9. DOOR MAY BE INSTALLED ON THE INSIDE OR OUTSIDE OF AN EXTERIOR WALL.

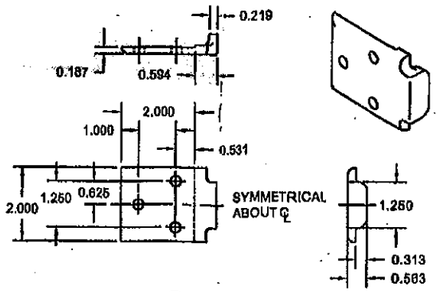
10. A 33⅓ INCREASE IN ALLOWABLE STRESS HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT.



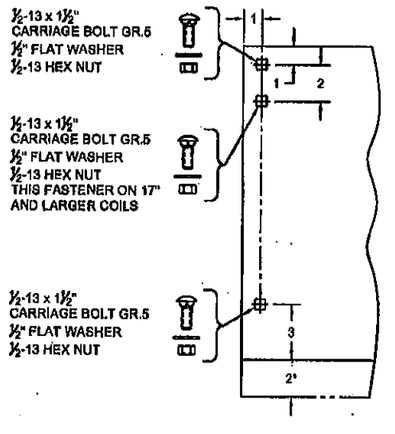
3 BOTTOM BAR DETAIL
TYPICAL SECTION
FULL SCALE



4 ENDLOCK / WINDLOCK DETAIL
CAST MALLEABLE IRON ASTM A47, GRADE 32510, OR
DUCTILE IRON PER ASTM A536 GRADE 65-45-12, GALVANIZED IN
ACCORDANCE WITH ASTM A123, GRADE 65 ZINC-COATING
1/2 SCALE



5 WINDLOCK DETAIL
CAST MALLEABLE IRON ASTM A47, GRADE 32510, OR
DUCTILE IRON PER ASTM A536 GRADE 65-45-12, GALVANIZED IN
ACCORDANCE WITH ASTM A123, GRADE 65 ZINC-COATING
1/2 SCALE



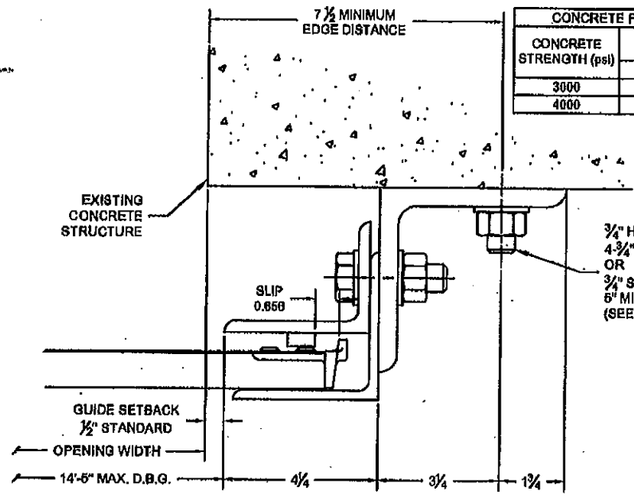
6 BRACKET MOUNTING DETAIL
0.172 MIN. THICKNESS
* 2" EXTENSION WHEN 6" AND LARGER SHAFT ASSEMBLY IS SUPPLIED
1/2 SCALE

CORNELL
24 ELMWOOD AVENUE
CRESTWOOD INDUSTRIAL PARK
MOUNTAINTOP, PA 18707

TITLE
DADE COUNTY APPROVED
14'-5" WIDE 120 PSF INSULATED
ROLLING STEEL DOOR

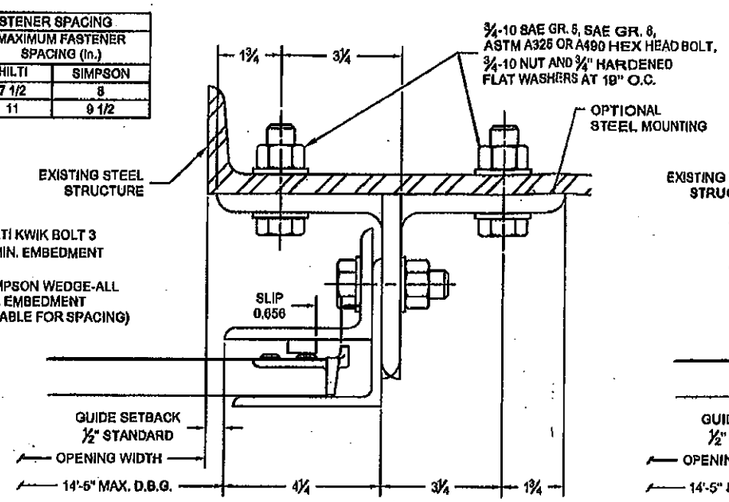
SIZE	DRAWN	DWG NO	REV
D	R. MAGGIO	ES16-28-01	B
SCALE 1:16 & AS NOTED		SHEET 1 OF 2	

L'TR	REVISION	DATE	BY	E.C.O.
*	ORIGINAL ISSUE	05/23/2007	R.M.	****
A	REVISED FOR 2007 FLORIDA BUILDING CODE	12/04/2008	R.M.	****
B	ADDED OPTIONAL BETWEEN JAMBS GUIDE MOUNTING TO STEEL	10/26/2010	R.M.	****

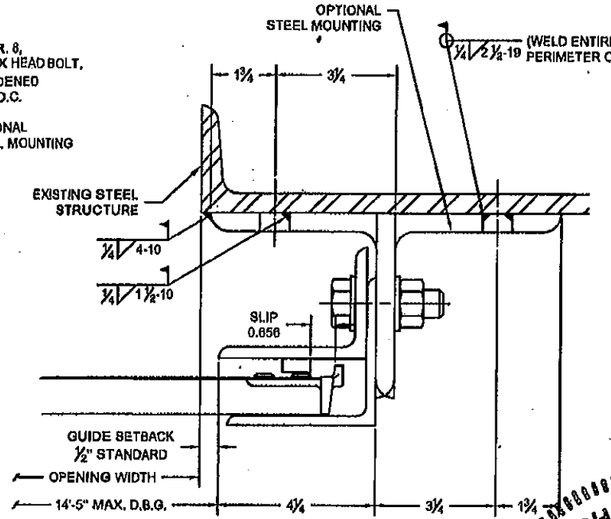


CONCRETE FASTENER SPACING		
CONCRETE STRENGTH (psi)	MAXIMUM FASTENER SPACING (in.)	
	HILTI	SIMPSON
3000	7 1/2	8
4000	11	9 1/2

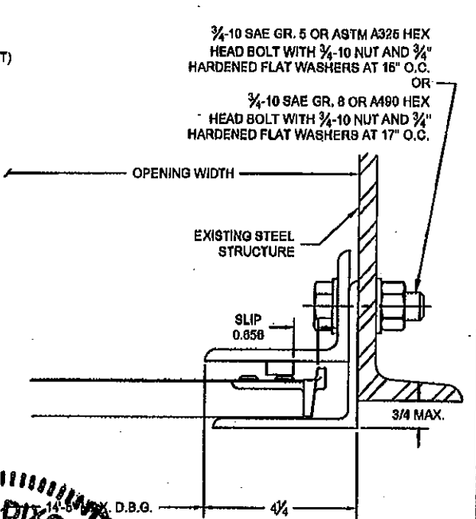
GUIDE ASSEMBLY
CONCRETE STRUCTURE



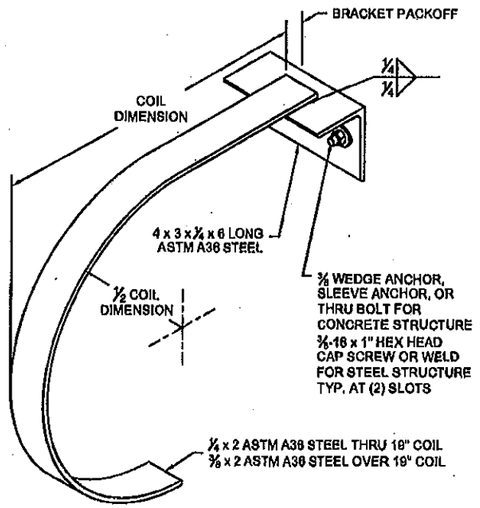
GUIDE ASSEMBLY
STEEL STRUCTURE



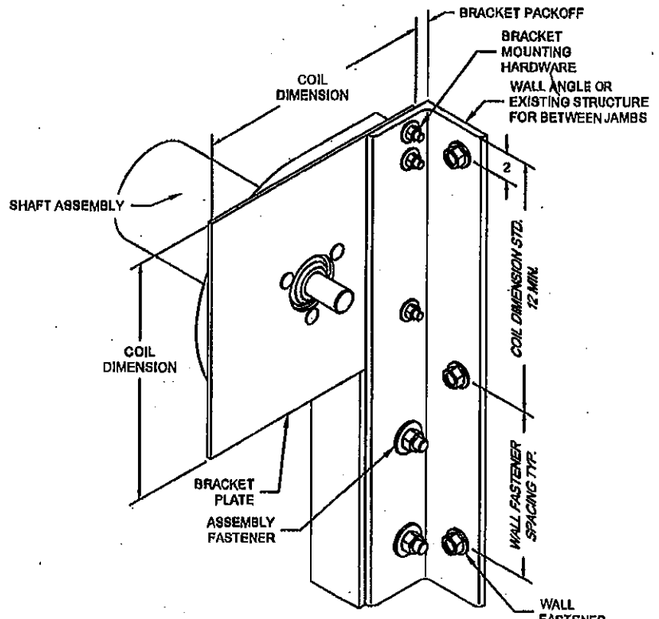
GUIDE ASSEMBLY
STEEL STRUCTURE



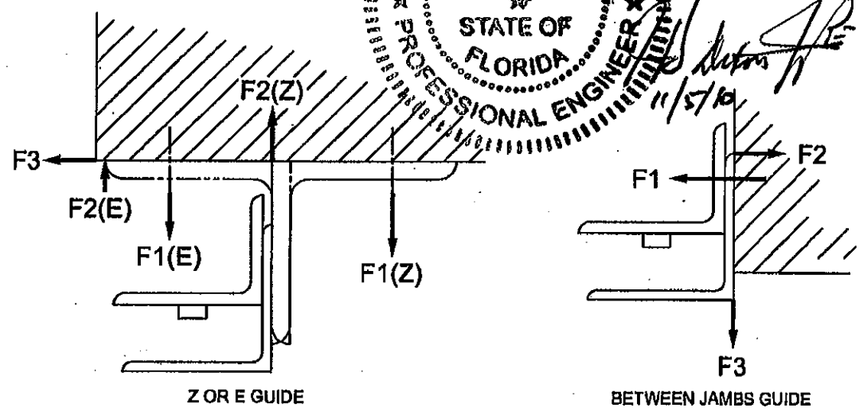
GUIDE ASSEMBLY
STEEL STRUCTURE
(BETWEEN JAMBS GUIDE)



⑦ MID-HOOD SUPPORT
(WHEN REQUIRED)
"O" SHAPE DEPICTED, SQUARE STYLE ALSO AVAILABLE
SCALE: NTS



BRACKET MOUNTING / TOP WALL ANGLE FASTENING
BRACKET MOUNTING PER DETAIL 6 DEPICTED, OTHER BRACKET MOUNTINGS ARE AVAILABLE
SCALE: NTS



Z OR E GUIDE

BETWEEN JAMBS GUIDE

UNREDUCED WIND FORCES ON BUILDING STRUCTURE (LBS / FOOT OF HEIGHT																	
Z-GUIDE						E-GUIDE						BETWEEN JAMBS GUIDE					
POSITIVE			NEGATIVE			POSITIVE			NEGATIVE			POSITIVE			NEGATIVE		
F1	F2	F3	F1	F2	F3	F1	F2	F3	F1	F2	F3	F1	F2	F3	F1	F2	F3
2287	1422	2614	4134	4999	2614	6471	5606	2614	5454	8319	2614	4154	1540	865	15495	12881	865

BUILDING DESIGNER NOTE:
STRUCTURE MUST BE DESIGNED TO SUPPORT F1, F2, AND F3 FORCES (LBS./FT. OF OPENING HEIGHT) AT EACH JAMB.

JOSEPH H. DIXON, JR. LICENSE No. 7768 STATE OF FLORIDA PROFESSIONAL ENGINEER
11/5/10

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No 12-0209.02
Expiration Date 05/10/2013
By
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PRODUCT REVISED
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